

19970715.ba ba-por01.560 ba-por01.561  
 >1560  
 >From owner-boatanchors@theporch.com Mon Jul 14 00:10 CDT 1997  
 >Received: from sco.theporch.com (sco.theporch.com [207.234.31.38])  
 > by uro.theporch.com (8.8.7.Beta2/A-UX-3.1.1) with ESMTP id AAA15328  
 > for <SHIMSHON@URO.THEPORCH.COM>; Mon, 14 Jul 1997 00:10:54 -0500 (CDT)  
 >Received: from sco.theporch.com (localhost [127.0.0.1])  
 > by sco.theporch.com (8.8.7.Beta2/SCO-5.0.2) with SMTP id FAA22076;  
 > Mon, 14 Jul 1997 05:04:33 GMT  
 >Message-Id: <199707140504.FAA22076@sco.theporch.com>  
 >Date: Mon, 14 Jul 1997 00:04:33 CDT  
 >Sender: owner-boatanchors@theporch.com  
 >From: boatanchors@theporch.com  
 >To: Old Tube Radios <boatanchors@theporch.com>  
 >Subject: BOATANCHORS digest 1560  
 >Mime-Version: 1.0  
 >Content-Type: multipart/mixed; boundary="--  
 \_\_ListProc\_\_NextPart\_\_868856366434428183"  
 >X-Listprocessor-Version: 8.1 -- ListProcessor(tm) by CREN  
 >Status: 0

## BOATANCHORS Digest 1560

Topics covered in this issue include:

- 1) Re: your mail  
by Neal McEwen <nmcewen@metronet.com>
- 2) Re: Indy Hamfest  
by Neal McEwen <nmcewen@metronet.com>
- 3) HT-32 Rides again, almost.  
by "Allan Fritsche" <fritsche@msn.com>
- 4) Heath Gear, BC-223, etc FS  
by don merz <71333.144@CompuServe.COM>
- 5) Non - Polarized Caps.  
by "Allan Fritsche" <fritsche@msn.com>
- 6) FS: DX-60B, HR-10B, HG-10B  
by Gary Franklin <franklin@net-link.net>
- 7) FS: Drake SW4A  
by Randy Cook <crcook@worldnet.att.net>
- 8) Re: Non - Polarized Caps.  
by Ed Tanton <n4xy@bellsouth.net>
- 9) Re: Non - Polarized Caps.  
by Ken Gordon <keng@uidaho.edu>
- 10) RR-390A Audio Measurements  
by Scott Robinson <spr@earthlink.net>
- 11) FS: Dentron Clipperton L  
by "Walter Fairclough" <wfairclo@netcom.ca>
- 12) Re: Non - Polarized Caps.

- by Scott Robinson <spr@earthlink.net>
- 13) FRRL hamfest  
by Bob Roehrig <broehrig@admin.aurora.edu>
  - 14) Drake Help Needed  
by "John Goller" <k9uwa@cris.com>
  - 15) RE: key needed  
by Ed Sieb <esieb@gmsiworld.com>
  - 16) ARRL Hints & Kinks Publ.Dates?  
by Mike Maloney <ac5p@ionet.net>
  - 17) WTB HP 403B manual  
by Scott Robinson <spr@earthlink.net>
  - 18) Manual needed for Krohn-Hite 4100A oscillator  
by Scott Robinson <spr@earthlink.net>
  - 19) Correction to R-309A audio measurements  
by Scott Robinson <spr@earthlink.net>
  - 20) Any BA Places in PA & CT?  
by "David M. Nance" <dmnance@roanoke.infi.net>
  - 21) Phoenix Xtals: 80 & 160 meters  
by tomrice@netcom.com (Tom R. Rice)
  - 22) WHY Cant I get on BA list  
by K6RCL@aol.com
  - 23) Shreveport Hamfest  
by Ronnie Hull <w5sum@ms1.nwla.com>
  - 24) Need Drake Calibrator  
by ARONGV@aol.com
  - 25) WTD: G-R gear info.  
by Sandy W5TVW <ebjr@worldnet.att.net>

---

Date: Sun, 13 Jul 1997 14:19:24 -0500 (CDT)  
From: Neal McEwen <nmcewen@metronet.com>  
To: rbarmore@indy.net  
Cc: boatanchors@theporch.com  
Subject: Re: your mail  
Message-ID: <199707131919.AA16876@metronet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

Roberta wrote:

> A Les Logan Speed-X bug with an unusual yoke--it's got a nice big  
> T-bar, and a round hole through which the arm passes, as if Les had been  
> getting telepathic influence from Mac & T.A. Co. Plating on the yoke is  
> flaking \*badly\* and there are a few cracks in it at the far ends of the  
> T-bar. (Attn serious key collectors: is it kosher to have this replated?  
> Is it \*safe\* to do so with the observed cracks?). Gave \$75, which seemed  
> about right.

These Logan SPEED-X "Tee-bar" handle bugs were made in the late 30s and 40s. This is a popular model and lots of them around. The black wrinkle base model is a 500 and the nickel base model is a 501. Logan made this line until selling out to E.F. Johnson in 1947. Johnson made only a very few of the "Tee-bar" bugs before using the simpler SPEED-X design. Johnson sold the SPEED-X line to Wm. Nye in the early 70s. However, Nye stopped making bugs, only hand keys. Look for other very interesting Logan bugs, some of unusual design.

Yes, it is OK to have them re-plated if they are really in bad shape. For older rarer keys, most collectors want them to look their age. Broken, missing, or non-original parts are replaced, but seldom are the keys repainted or replated. Its kind of like a 90 year old woman trying to look twenty again. Just does not look right.

73 de Neal, K5RW

WWW page for key collectors at [http://www.metronet.com/~nmcewen/tel\\_off.html](http://www.metronet.com/~nmcewen/tel_off.html)

-----  
Date: Sun, 13 Jul 1997 14:39:16 -0500 (CDT)  
From: Neal McEwen <nmcewen@metronet.com>  
To: boatanchors@sco.theporch.com  
Subject: Re: Indy Hamfest  
Message-ID: <199707131939.AA22958@metronet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

Roberta wrote:

> A Les Logan Speed-X bug with an unusual yoke--it's got a nice big  
> getting telepathic influence from Mac & T.A. Co. Plating on the yoke is  
> flaking \*badly\* and there are a few cracks in it at the far ends of the  
> T-bar. (Attn serious key collectors: is it kosher to have this replated?  
> Is it \*safe\* to do so with the observed cracks?). Gave \$75, which seemed  
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Yes, it is OK to have them re-plated if they are really in bad shape. For

older rarer keys, most collectors want them to look their age. Broken , missing, or non-original parts are replaced, but seldom are the keys repainted or replated. Its kind of like a 90 year old woman trying to look twenty again. Just does not look right.

--

73 de K5RW, Neal McEwen, Dallas, nmcewen@metronet.com  
"The Telegraph Office" WWW page for Wire and Wireless Key Collectors  
[http://fohnix.metronet.com/~nmcewen/tel\\_off.html](http://fohnix.metronet.com/~nmcewen/tel_off.html)

-----

Date: Sun, 13 Jul 97 21:05:25 UT  
From: "Allan Fritsche" <fritsche@msn.com>  
To: boatanchors@theporch.com  
Subject: HT-32 Rides again, almost.  
Message-ID: <UPMAIL03.199707132107140266@msn.com>

Hey Gang, due to the graciousness of a fellow list member, I will receive in a couple of weeks, a SSB Sub-Chassis for the little HT-32 that I got from Phil Mills a while back. Remember, this was the guy that had a bad OP switch and after finally repairing and soldering back in, I put to much solder on a contact on the middle section and when I turned it the stationary section of the wafer split and fell out of the set.i.e. unrepairable. Now my question. What should I know about this set, I just want it to restore to normal as a mate for my SX-101 MKIII. I know the metering scheme is a problem to some as you can't read Grid or Plate current.

Anything else...  
Your Friend Al  
fritsche@msn.com

-----

Date: 13 Jul 97 17:20:43 EDT  
From: don merz <71333.144@CompuServe.COM>  
To: <boatanchors@theporch.com>  
Subject: Heath Gear, BC-223, etc FS  
Message-ID: <970713212043\_71333.144\_DHB48-2@CompuServe.COM>

Miscellaneous For Sale and Wanted

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.  
412-234-8819 (weekdays, EST or leave a message anytime).  
71333.144@compuserve.com Trades and offers welcome!

Heathkit AO-1 Audio Oscillator. Missing dial lens. 2 knobs wrong. But

unmodified and looks good. Untested. \$9

Heathkit SB-610 Monitor Scope. All original. Looks good except some of the white lines have worn or fallen off the plastic graticule. With original manual. Untested. \$75

Heathkit Marauder Transmitter. SSB 80-10 meter big green machine. Chrome knobs make this thing look like a car with tail fins. Front panel is positively sparkling. But the cabinet has many rust spots. Also the dial cord is broken. All original. complete. Untested. As-is. With original manual (with detached cover) and oversize assembly drawings. \$105

Heathkit QF-1 Q-Multiplier. Complete. Original. Untested. Looks good. With original manual. \$22

Heathkit HD-11 Q-Multiplier. This is the later version in Daystrom green. Very sharp looking. Complete. Original. Untested. With original manual. \$24

Heathkit TC-3 Tube Checker. Looks brand new. Emission-type tube tester. Complete, Original. Untested. With original manual. \$20

Astatic D-104 mic on PTT "G" stand. 2 scratches on stand base. Otherwise nice. Modern 3-pin mic connector on cable end. \$39

Military BC-223-AX HF transmitter made by Federal Telegraph with a 1942 contract date. With "transmitter Tuning Unit TU-17-A" covering 2mc-3mc also made by Federal with matching contract date. Needs wiped off but looks great. All original. But all tubes are missing! The audio crowd must've picked them up since 3 of them were 801's. Untested. As-is. \$160

Military TS-323/UR Heterodyne Frequency Meter and Crystal Calibrator. This is a 20-450mc version of the BC-221 Frequency Meter. In original metal carry-case. With calibration book (serial number matches), whip antenna and N-to-wire adapter. Home-brew AC supply built in to batter compartment. All original otherwise. In excellent condition. Untested. With original manual and FCC letter advising that it has been tested to .005% accuracy. Nice+. \$60

Superior Instruments TV-50A Genometer Signal Generator. RF 10kc - 180mc in 6 bands. AF 60 cycles to 20,000 cycles. TV stuff: vertical bars, horizontal bars, cross bars and white dots. All in a compact package. Looks excellent. All original. Untested. \$19

Olson big green bullet mic with cord. One or two scratches but looks very good. \$9

Electro-Voice 630 Hi-z mic with cord. Nice stainless steel mic. \$39

Heathkit GW-31A handheld transceiver. CB, I think. Dirty and missing the push-to-talk button on the side. \$17

#### Literature

Rider Chanalyst original manual. Cover either missing or may not be original. \$19

Heathkit AV-3 Audio VTVM original manual with oversize assembly drawing. Excellent. \$8

Hallicrafters "Radio Transmitter Model HT-19 Preliminary Instructions" original manual. Just 4 pages of operation, schematic and parts list. Original: \$13. Copy free for 2-stamp LSASE.

Heathkit IO-12 Laboratory 5" Oscilloscope original manual. One worn copy: \$5. One nice copy: \$8  
Heathkit SG-8 Signal Generator original manual with oversize assembly drawings. \$8  
Heathkit O-10 Laboratory Oscilloscope original manual with oversize assembly drawings. \$8  
Eico 950B Resistance Capacitance Comparator Bridge original manuals (one for Instruction and one for construction). Excellent. \$6  
Eico 221 VTVM original instruction manual. Good. \$4  
Heathkit HM-11 Reflected Power Meter and SWR Bridge original manual. Excellent. \$8  
The ARRL Antenna Book, 13th ed., 1974. Excellent. \$8  
1981 ARRL Handbook. Excellent. \$9  
1959 ARRL Handbook. Cover worn at corners. \$16  
1962 ARRL handbook. Corner of front cover missing. Front cover taped to binding. Binding edge worn. \$11  
Uda, Shintaro, and Yasuto Mushiake, Yagi-Uda Antenna, 1954, Sasaki Printing and Publishing company Ltd. Hardback book in excellent condition. Discusses the fundamental work on the Yagi beam antenna. 183pp. In english. \$49  
National NC-300 manual copy. \$4.50 PPD.

#### WANTED

Manual copy for Precision E-400 Sweep Generator  
Manual copy, external power supply and original meter for Hammarlund Super Pro XD. This is an early model with a black wrinkle finish.

-----  
Date: Sun, 13 Jul 97 21:23:35 UT  
From: "Allan Fritsche" <fritsche@msn.com>  
To: boatanchors@theporch.com  
Subject: Non - Polarized Caps.  
Message-ID: <UPMAIL03.199707132125140157@msn.com>

Hey Gang, Stupid question of the month.  
I am well aware that non polarized caps are used in RC networks, in particular cross overs for speakers but, WHAT IN THE HECK is the difference between a regular run of the mill Mica, Ceramic, Paper and a non polarized one.  
I know that in a schematic, the foil side of a common tubular paper cap was represented by the straight symbol to ground and the curved to Hot. But the rest of this eludes me.  
Reason I am bringing this up is that I replaced C551, a 2 UFD in the IF chassis of my R-390A with a Tubular 2UFD and have a feeling that all is not

right. Signal strength went down a bunch, etc. Are should I just  
realign?

Any Help  
Al  
Fritsche@msn.com

-----  
Date: Sun, 13 Jul 1997 17:45:56 -0400  
From: Gary Franklin <franklin@net-link.net>  
To: boatanchors@theporch.com  
Subject: FS: DX-60B, HR-10B, HG-10B  
Message-ID: <33C94C94.148A@net-link.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Complete Heath Station. Very good condition and working. Asking \$150 for  
all. You pay shipping.

Gary, K8BKB

franklin@net-link.net

-----  
Date: Sun, 13 Jul 1997 21:47:58 +0000  
From: Randy Cook <crcook@worldnet.att.net>  
To: boatanchors@theporch.com  
Subject: FS: Drake SW4A  
Message-ID: <19970713214756.AAA25842@mailhost.worldnet.att.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="us-ascii"

I am selling this for a friend. It is in nice condition. Uses both tubes and  
transistors. All knobs there, seems to work well. Has been stored for a  
while, so may need an alignment. I have an SW4A that I am using regularly -  
they are an excellent SW radio (LW, BCB, SW - AM only). Email for details.

\$125/offer + Shipping

Randy

-----  
Date: Sun, 13 Jul 1997 18:13:07 -0400

From: Ed Tanton <n4xy@bellsouth.net>  
To: fritsche@msn.com  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Non - Polarized Caps.  
Message-ID: <3.0.1.32.19970713181307.00a3be40@mail.atl.bellsouth.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Al... 'not that much difference' is the answer. Is there any chance there was a decimal point in front of that 2? You didn't say what type the original was. If you used one of the yellow mylar non-polarized caps, I can't believe it's giving you a problem. The difference lies more in the particular value/construction of the cap. After all, a 2 uFd MICA cap would be something to see.

There are three parameters I can think of that matter regarding your question: 1) Voltage Rating; 2) ESR (Equivalent Series Resistance); & 3) Impedence @ application's frequency range. Of these, the 3rd is the only real difference between one type of cap and another when you're thinking about a capacitance of 2 uFd \* AND \* talking non-polarized (the lower ESR of a tantalum cap is why they are better filter caps-but that's polarized.)

I personally doubt there's a great deal of impedance difference to be found, in general, at most normal-for-the-cap frequencies between paper and mylar or metallized mylar, or whatever. Generally the mylars are better, and SOME newer mylars can be had in a type that the mfgs CLAIM have lower/no inductance problems at higher freqs than others. I have not tried this to see... they are intended for higher freq switching power supplies. I doubt they would do all that well at RF. But your cap was either paper or a bathtub type. I just cannot imagine a reason why a mylar would not work as a replacement (as long as the replacement wasn't bad to start with!)

What type of cap was it? What was the cap doing in the circuit? What was the freq range it was passing/filtering?

At 09:23 PM 7/13/97 UT, Allan Fritsche wrote:

>Hey Gang, Stupid question of the month.

>I am well aware that non polarized caps are used in RC networks, in particular cross overs for speakers but, WHAT IN THE HECK is the difference between a regular run of the mill Mica, Ceramic, Paper and a non polarized one.

>I know that in a schematic, the foil side of a common tubular paper cap was represented by the straight symbol to ground and the curved to Hot. But the rest of this eludes me.

>Reason I am bringing this up is that I replaced C551, a 2 UFD in the IF chassis of my R-390A with a Tubular 2UFD and have a feeling that all is not

>right. Signal strength went down a bunch, etc. Are should I just >realign?



$\succ$ 

>Any Help

>A1

>Fritsche@msn.com

>

>

72/73

---

Ed Tanton      N4XY      EMAIL: [n4xy@bellsouth.net](mailto:n4xy@bellsouth.net)

## 189 Pioneer Trail

Marietta, GA 30068-3466

TEL: (770)579-3933 V/MBX/FAX

ORP-ARCT #7663

G-ORP #6779

OK-ORP #172

ORP-L #758

AdvRC #140

NORCAL #1779

NCDXF

SEDXC

Life Member:

ARRL

AMSAT

## INDEXA

OCWA

INTERESTS: DX ORP BoatAnchors Test Equipment Photography

CW: 99.9%      ORP: 95-100% (Mood swings!)      Mercury Paddle #0214

"Think you can, think you can't: either way you're right!"

## Henry Ford

Date: Sun, 13 Jul 1997 15:20:11 -0700 (PDT)

From: Ken Gordon <keng@uidaho.edu>

To: Allan Fritsche <[fritsche@msn.com](mailto:fritsche@msn.com)>

Cc: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Non - Polarized Caps.

Message-ID: <Pine.BSF.3.95.970713151741.2084C-100000@piobaire.mines.uidaho.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 13 Jul 1997, Allan Fritsche wrote:

```
> Hey Gang, Stupid question of the month.
```

> I am well aware that non polarized caps are used in RC networks, in

> particular cross overs for speakers but, WHAT IN THE HECK is the

```
> difference between a regular run of the mill Mica, Ceramic, Paper
```

> and a non polarized one.

This usually refers to an electrolytic cap...i.e. a non-polarized

electrolytic cap. Mica, paper, etc., are not really voltage dependent and

for end. The mark on one end or the other of those caps indicates the

"outside foil" for better shielding. That end should go to ground in

circuits which might be more inclined to pick up noise.

Ken W7EKB

-----  
Date: Sun, 13 Jul 1997 15:25:46 +0100  
From: Scott Robinson <spr@earthlink.net>  
To: boatanchors@theporch.com  
Cc: ww@dolby.com  
Subject: RR-390A Audio Measurements  
Message-ID: <v03007805afee9235302e@[153.34.139.149]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Folks,

This afternoon I fired up the distortion analyzer and oscillator and did a quick measurement of the local audio output section (from gain control wiper to output terminal strip) of my RR-390A. I have checked the components in the audio deck and so I think I'm measuring a representative specimen.

Frequency response: 3 dB off at 70 Hz and 6 KHz,

Power output into 560 ohms: about 0.85W

Distortion at 500 Hz:   at 0.85W   9.5%  
                          0.21W   4.5%  
                          0.055W 1.3%

These measurements confirm the usefulness of audio improvements to this receiver. The only thing that saves other receivers from similar problems is that most of them have 4-5W output (typical for single 6F6 or 6V6) and so you spend most of your time at a low percentage of the available output, where the data above shows only a percent or two distortion.

Incidentally, this performance is representative of un-fed-back single ended pentodes and beam power tubes. You can see why that kind of amplifier is not my favorite...

Yours for not having receiver distortion add to the QRM and QRN,

Scott Robinson  
spr@earthlink.net

Junque is GOOD for you!

-----  
Date: Sun, 13 Jul 1997 18:40:04 -0400  
From: "Walter Fairclough" <wfairclo@netcom.ca>  
To: <boatanchors@theporch.com>  
Subject: FS: Dentron Clipperton L  
Message-ID: <199707132240.SAA02615@tor-srs1.netcom.ca>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Dentron Clipperton L amplifier in real nice condition. 160-10 meters.  
Manual included. \$500.00 (US) plus shipping.

Thanks for reading.

Walter Fairclough  
Manotick, Ontario  
wfairclo@netcom.ca

-----  
Date: Sun, 13 Jul 1997 15:49:08 +0100  
From: Scott Robinson <spr@earthlink.net>  
To: fritsche@msn.com  
Cc: boatanchors@theporch.com  
Subject: Re: Non - Polarized Caps.  
Message-ID: <v03007809afee98eac3ad@[153.34.139.149]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Al Fritshce wrote:

>I am well aware that non polarized caps are used in RC networks, in  
>particular cross overs for speakers but, WHAT IN THE HECK is the  
>difference between a regular run of the mill Mica, Ceramic, Paper  
>and a non polarized one.

Only electrolytics are polarized. The markings that used to be on paper caps jsut showed which side was the outside of the winding and therefore the best side to ground.

To make a non-polarized electrolytic, connect two electolytics of double the capacitance in series WITH THEIR NEGATIVE (or positive) LEADS TOGETHER.

Example: make a 11 uF 100V NOP cap out of two 22 uF 100V caps. Connect their positive leads together and connect the remaining two leads (the negatives) to the circuit it's used in.

>I know that in a schematic, the foil side of a common tubular paper cap  
>was represented by the straight symbol to ground and the curved to Hot.  
>But the rest of this eludes me.  
>Reason I am bringing this up is that I replaced C551, a 2 UFD in the  
>IF chassis of my R-390A with a Tubular 2UFD and have a feeling that all is  
>not  
>right. Signal strength went down a bunch, etc. Are should I just  
>realign?

If you used an electrolytic cap you probalby shouldn't have. This is definitely a spot for a mylar cap rated at 300 V or more, since in the 'slow' position it's connected from plate to grid of a tube and sees B+ voltage. The reason for not using an electrolytic here is that they have relatively large leakage currents even when new. In an AVC circuit these currents will not be negligible and will foul up the AVC avoltage, possibly causing gaian reduction.

It's worth noting tha tthe 2 uF cap in my 1961 Stewart-Warner R-390A is somewhat leaky. I need to change it.

Regards,

Scott Robinson  
spr@earthlink.net

Junque is GOOD for you!

-----  
Date: Sun, 13 Jul 1997 18:13:22 -0500 (CDT)  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
To: Boatanchors <boatanchors@sco.theporch.com>  
Subject: FRRL hamfest  
Message-ID: <Pine.ULT.3.96.970713180507.906E-100000@admin.aurora.edu>  
Mime-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

It was a hot day indeed in the Fox Valley with the temp at 93F. Luckily the Gymnasium was air conditioned to allow browsing at the inside stuff in comfort, however what was in there was not worth looking at for the most part. Quite a few good looking BA's outside - a lot of Drake stuff and some Heath. Saw a HQ-120 and the same tired S-40 and what was perhaps one of the sky buddy jobs (about the same size as the S-40) for too high prices. Another chap had a S-36 (I think I saw all this same stuff at the Sandwich fairgrounds a couple of months ago). As usual, way too much Motorola stuff (talkies & chargers) that I never see anyone buy. Quite a bit of test gear in the BA line but nothing outstanding. I came away with a LM-4 and a Lampkin freqmeter, neither of which do I need but may get used as VFO's.

Question: A friend says he has a NC-100 and since I am kinda partial to National gear, when did this one come out? I'd like to see an ad in QST before I say yes or no to getting it. Any good/bad point on this one?

E-mail broehrig@admin.aurora.edu                      73 de Bob, K9EUI  
CIS: Data / Telecom    Aurora University, Aurora, IL  
630-844-4898    Fax 630-844-5530

-----  
Date: Sun, 13 Jul 1997 23:56:22 +0000  
From: "John Goller" <k9uwa@cris.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Drake Help Needed  
Message-ID: <199707132319.TAA21630@marconi.concentric.net>

Hello...anyone have a Drake TR4C + RV4 Manual they could either sell me or make a photocopy for me????    Thanks for the help.  
de John K9UWA  
John K9UWA

k9uwa@cris.com

-----  
Date: Sun, 13 Jul 1997 19:22:40 -0400  
From: Ed Sieb <esieb@gmsiworld.com>  
To: Old Tube Radios <boatanchors@theporch.com>,  
      "Walter L. Marshall"  
Subject: RE: key needed  
Message-ID: <01BC8FC2.224B0320@dstephen.gmsiworld.com>

MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

Hey Walter,  
Good stuff! Now that's the way to get bitten by the ham radio bug! (Just =  
like in the old days, before CB, and 2-Meter CB.)  
You should be able to find a decent key at some of the Ham =  
flea-markets, or alternately, someone here on the list will have a spare =  
one for sale.  
Good luck and keep us posted on you progress.

73, de Ed VA3ES/VE2BAQ (that's Boat Anchor Quality)

~~~~~  
Ed Sieb, VA3ES - VE2SS - VE2BAQ  
P. O. Box 8377, Ottawa Terminal  
Ottawa, Ontario, K1G 3H8 CANADA  
613-738-8924 (H) 613-599-5161 (W)=09  
esieb@gmsiworld.com  
AMI # 529 - Canadian Division Director  
QCWA # 28666 Life Member - AWA Member  
Net Manager - Canadian Boat Anchor Net (3745 Kcs)  
~~~~~

-----  
  
Date: Sun, 13 Jul 1997 19:20:58 -0500 (CDT)  
From: Mike Maloney <ac5p@ionet.net>  
To: boatanchors@sco.theporch.com  
Subject: ARRL Hints & Kinks Publ.Dates?  
Message-ID: <199707140020.TAA04097@mail.ionet.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Someone here on the list in the not too distant past posted the dates  
for the subject volumes. Cant find it to save my rear. Can someone  
inform me what they are? Also anyone with volumes 1,2,4 or 6 that  
would consider parting with same contact me direct and lets talk swap.

73/Mike ac5p

-----  
  
Date: Sun, 13 Jul 1997 17:36:47 +0100

From: Scott Robinson <spr@earthlink.net>  
To: boatanchors@theporch.com  
Subject: WTB HP 403B manual  
Message-ID: <v03007801afeeb435818c@[153.34.139.188]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Well, the title says it all. I need a manual or copy thereof for this HP  
AV voltmeter. Willing to pay reasonable price.

All help gratefully received,

Scott Robinson  
spr@earthlink.net

Junque is GOOD for you!

-----  
Date: Sun, 13 Jul 1997 17:39:19 +0100  
From: Scott Robinson <spr@earthlink.net>  
To: boatanchors@theporch.com  
Subject: Manual needed for Krohn-Hite 4100A oscillator  
Message-ID: <v03007802afeeb4a59bd0@[153.34.139.188]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Original preferred, copy OK. Price by agreement. Also wish to correspond  
with someone who has manual for 4200A Krohn-Hite osc. I just want to ask a  
question about it.

All help gratefully received,

Scott Robinson  
spr@earthlink.net

Junque is GOOD for you!

-----

Date: Sun, 13 Jul 1997 17:17:16 +0100  
From: Scott Robinson <spr@earthlink.net>  
To: boatanchors@theporch.com  
Cc: ww@dolby.com  
Subject: Correction to R-309A audio measurements  
Message-ID: <v03007800afeeaf8166b6@[153.34.139.188]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Folks,

Wups, I found a 560 ohm cathode resistor that had become 770 ohms. After changing that, distortion is

7.5 % at 0.85W  
3.5% at 0.21W

Regards,

Scott Robinson  
spr@earthlink.net

Junque is GOOD for you!

-----  
Date: Sun, 13 Jul 1997 19:52:38 -0700  
From: "David M. Nance" <dmnance@roanoke.infi.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Any BA Places in PA & CT?  
Message-ID: <33C99476.B47@roanoke.infi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I'll be leaving on vacation in a week and plan to travel up I-81 through Pennsylvania and then take I-84 over to Connecticut via Hartford to Mystic Seaport. Any good BA places along the way I can check out?

Thanks & 73,

Dave-WB4SSE  
Roanoke, VA  
dmnance@roanoke.infi.net



-----  
Date: Sun, 13 Jul 1997 18:07:10 -0700 (PDT)  
From: tomrice@netcom.com (Tom R. Rice)  
To: boatanchors@sco.theporch.com (boatanchors list)  
Subject: Phoenix Xtals: 80 & 160 meters  
Message-ID: <199707140107.SAA18039@netcom13.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

John Morris has asked me to forward this announcement  
to the BA list-----

Replies to him, please (note his new e-mail address) ;-)

73 de WB6BYH

-----  
> From: "Phoenix Crystals" <phxtal@nava-link.net>  
> Subject: Fw: 160 and 80 meter  
> -----  
> > Date: Sunday, July 13, 1997 13:11:10  
> > From: phxtal  
> > To: QRP-L  
> > Cc: Boatanchors  
> > Subject: 160 and 80 meter  
> >  
> > Hi Gang,  
> > Golly, I'm swamped with e-mail on this.  
> > OK let me explain what's going on. First, I've finally located a company  
> > that has agreed (on an exclusive basis) to cut and supply me with the  
> > blanks which I need for the 160 and 80 meter crystals. Everyone in the  
> > crystal industry has discontinued making the square and rectangle blanks  
> > as  
> > used in the FT-243 type crystals. Several reasons have brought about this  
> > condition.  
> >  
> > First, in the grinding operation of a square crystal, it is ground (square  
> > or rect.) in 4 separate grinding operations, whereas in the present  
> > "plated" type crystals the blanks are ground round in one centerless  
> > grinding operation. This saves considerable labor expense over grinding  
> > the  
> > square blanks. The square blanks entail higher labor costs.  
> >

> > Secondly, costs for the 1700 Khz. blanks are considerably higher than for  
> > example 3500 Khz. blanks, because of a lesser yield in producing the 1700  
> > Khz. ones. A 1800 Khz blank is approx. .0368" thick verses a 3500 Khz. one  
> > at .018" thickness. So you can see that the yield for the lower frequency  
> > blanks is about half that of producing one's for the 3500 Khz. frequency.  
> > So to recover the expense of the quartz bars from which the blanks are  
> cut,  
> > the blank price goes up for the thicker blanks (1700 Khz.).  
> >  
> > So the manufacturer charges more to offset the additional labor and  
> > material expense, and passes this off to his customer.....Me. So in  
> > attempting to provide a supply both 160, and 80 meter crystals to you I  
> > have had to weigh this and make a decision on utilizing this source. I  
> have  
> > not found any supply of blanks elsewhere that I felt would be a dependable  
> > continuing source. And my interest is to be able to continue as a long  
> term  
> > source of the FT/CR type crystals to you.  
> >  
> > The reason I have taken time to set down and explain this is to try and  
> > show you what's involved on my end of supplying these crystals. Since I  
> was  
> > required to commit to a large purchase quantity of blanks to try and keep  
> > the additional expense of the finished product as low as possible. However  
> > knowing that I would have to charge a higher price for the 160 and 80  
> meter  
> > crystals than I do for the 40 meter stock.  
> >  
> > So here's the new prices:  
> > 160 Meter frequencies: \$8.00 each in FT-241 holders (same pin size and  
> > spacing as the FT-243 Holder)  
> > 80 Meter frequencies: \$7.00 each in FT-243 holders.  
> >  
> > Since a number of you have requested a "group buy" similar to the one I  
> did  
> > on the 40 meter crystals.....here's the offer:  
> > # 1: 5 or more 160 meter crystals \$7.00 each.  
> > # 2: 5 or more 80 meter crystals \$6.00 each.  
> > # 3 Mix-n-match on 5 or more quantity 160 meter @ \$7.00 ea., 80 meter @  
> > \$6.00 ea.  
> >  
> > Plus I'll pay the shipping to the lower 48 states.  
> >  
> > 73 John  
> > PHOENIX CRYSTALS  
> > 1714 NORTH ASH  
> > NEVADA, MO 64772

via WB6BYH CL

--

"Start off every day with a smile and get it over with." --W.C.Fields

Tom R. Rice

tomrice@netcom.com

CIS: 71160,1122

-----  
Date: Sun, 13 Jul 1997 22:19:10 -0400 (EDT)  
From: K6RCL@aol.com  
Cc: boatanchors@sco.theporch.com  
Subject: WHY Cant I get on BA list  
Message-ID: <970713221909\_204546892@emout14.mail.aol.com>

What is the problem here, I can not seem to get on the Boat Anchor list.  
Please help me to get on the list.

Thank you

Dennis Jones K6RCL

-----  
Date: Sun, 13 Jul 1997 22:14:55 -0500  
From: Ronnie Hull <w5sum@ms1.nwla.com>  
To: boatanchors@theporch.com  
Cc: baswaplist@foothill.net  
Subject: Shreveport Hamfest  
Message-ID: <1.5.4.16.19970713211143.1cb7dfde@ms1.nwla.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

This is actually called the Ark-La-Tex Hamfest, and is held now  
in Bossier City, La !! but we still call it the Shreveport hamfest!

anyway its the weekend of august 9-10, at the Bossier City Convention  
Center.

last year it was a fairly durned tootin good hamfest for BA stuff. No  
reason to think it will be different this year. I may just have to set up  
a table.

those interested can contact: S.A.R.A  
P.O. Box 37632  
Shreveport, La 71133-7632

REGISTRATION is \$5.00

Flea Market Tables are \$15.00 each for the weekend

electrical outlets are \$5.00 extra.

talk-in is on 145.110(-). The site is north of I-20 on Benton Rd. It is visible on your right if you are going north on Benton, Rd, just past a set of railroad tracks, and across from Ryan's STEAKHOUSE. You can't miss it.

=====

W5SUM  
Ronnie Hull  
3131 Meadow Parkway dr.  
Shreveport, La 71108

10-10 # 2019

Forget the Johnson 500, I'm looking for a  
Johnson Thunderbolt Amp...

=====

-----

Date: Sun, 13 Jul 1997 23:47:08 -0400 (EDT)  
From: ARONGV@aol.com  
To: baswaplist@foothill.net  
Cc: boatanchors@theporch.com  
Subject: Need Drake Calibrator  
Message-ID: <970713234707\_-224873797@emout01.mail.aol.com>

Need a calibrator for my Drake 2C receiver.

And thanks to all those who pitched in with ideas on how to reproduce a Hallicrafters SX-111 glass dial cover with numbers. John Hurst should get a round of applause for actually sending me a cover I could work with. Mine was shattered.

A full report soon. The restorer is a bit frazzled, but the set is doing just fine.

Ron W00IZ Kansas City

-----

Date: Mon, 14 Jul 1997 04:00:31 +0000  
From: Sandy W5TVW <ebjr@worldnet.att.net>

To: sweetbay@compuserve.com, BASWAPLIST@FOOTHILL.NET, boatanchors@theporch.com,  
glowbugs@www.atl.org  
Subject: WTD: G-R gear info.  
Message-ID: <19970714040028.AAA22517@LOCALNAME>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Looking for some one who might have manuals they can copy on the  
following  
General-Radio gear:

1232A Null Detector  
1840A Audio wattmeter/dummy load  
1862C Megohmmeter

Anyone out there have these?

73,  
E. V. Sandy Blaize, W5TVW  
"Boat Anchors collected, restored, repaired, traded and used!"  
417 Ridgewood Drive,  
Metairie, LA., 70001  
ebjr@worldnet.att.net  
\*\*Looking for: 860 tubes, WL-460 tubes\*\*  
\*\*RK-34(VT-224) tubes, Butternut HF2V antenna\*\*

-----  
End of BOATANCHORS Digest 1560

\*\*\*\*\*  
>1561  
>From owner-boatanchors@theporch.com Mon Jul 14 16:35 CDT 1997  
>Received: from sco.theporch.com (sco.theporch.com [207.234.31.38])  
> by uro.theporch.com (8.8.7.Beta2/A-UX-3.1.1) with ESMTP id QAA16232  
> for <SHIMSHON@URO.THEPORCH.COM>; Mon, 14 Jul 1997 16:35:35 -0500 (CDT)  
>Received: from sco.theporch.com (localhost [127.0.0.1])  
> by sco.theporch.com (8.8.7.Beta2/SCO-5.0.2) with SMTP id VAA13671;  
> Mon, 14 Jul 1997 21:34:46 GMT  
>Message-Id: <199707142134.VAA13671@sco.theporch.com>  
>Date: Mon, 14 Jul 1997 16:34:46 CDT  
>Sender: owner-boatanchors@theporch.com  
>From: boatanchors@theporch.com  
>To: Old Tube Radios <boatanchors@theporch.com>  
>Subject: BOATANCHORS digest 1561  
>Mime-Version: 1.0  
>Content-Type: multipart/mixed; boundary="--  
\_\_ListProc\_\_NextPart\_\_868916074434458037"  
>X-Listprocessor-Version: 8.1 -- ListProcessor(tm) by CREN

>Status: 0

## BOATANCHORS Digest 1561

Topics covered in this issue include:

- 1) Re: URM-25D line chokes  
by "Ray L. Mote" <rmote@rain.org>
- 2) ARC-5 later version??  
by BRICKEY\_PETER@tandem.com
- 3) baswaplist@foothill.net  
by Ronnie Hull <w5sum@ms1.nwla.com>
- 4) Sperti 2-meter HT  
by John Unger <junger@usgs.gov>
- 5) 7117 kHz.  
by Ken Gordon <keng@uidaho.edu>
- 6) GRC-9 Hand Crank Generator  
by TPHAAK@monsanto.com
- 7) Finally! ART-13 manual copies FS  
by "Ian Abbott" <ian@gene.COM>
- 8) PRC-10 battery question  
by DDoonan@vines.etn.com
- 9) Re: GRC-9 Hand Crank Generator  
by Ken Gordon <keng@uidaho.edu>
- 10) BA Manuals FS  
by Robert Fowle <hammarlund@jacksonmi.com>
- 11) Collins Museum  
by Surplus Al <surplsal@tl.infi.net>
- 12) Vacuum Tube Web Page  
by jproc@bellglobal.com (Jerry Proc)
- 13) Frequencies  
by don merz <71333.144@CompuServe.COM>
- 14) Finally! ART-13 manual copies FS  
by "Ian Abbott" <ian@gene.COM>
- 15) Need documentation for ARN-6  
by "Ian Abbott" <ian@gene.COM>
- 16) Re: Frequencies  
by Ken Gordon <keng@uidaho.edu>
- 17) WTB: H-P Manuals (5245L, 5253B)  
by rsolomon@tsd.textron.com
- 18) BC348 Plug  
by Ronnie Hull <w5sum@ms1.nwla.com>
- 19) Re: Frequencies  
by MODSTEPH@ACS.EKU.EDU
- 20) Re: Frequencies  
by Ken Gordon <keng@uidaho.edu>
- 21) Non-polarized caps, again..  
by "Herbert M. Rosenthal" <herbrose@lobo.net>

- 22) re: Hallicrafters HT-32 - parting out  
by JONWEINER@aol.com
- 23) Misc & Mags FS  
by don merz <71333.144@CompuServe.COM>
- 24) Some stuff for sale  
by BRICKEY\_PETER@tandem.com
- 25) Re: Frequencies  
by Sandy W5TVW <ebjr@worldnet.att.net>
- 26) BA/BG net / thanks  
by sinned@VNET.IBM.COM

-----

Date: Sun, 13 Jul 1997 22:52:59 -0700 (PDT)  
From: "Ray L. Mote" <rmote@rain.org>  
To: Boatanchors <boatanchors@sco.theporch.com>  
Subject: Re: URM-25D line chokes  
Message-ID: <Pine.SUN.3.96.970713224949.11139I-100000@coyote.rain.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

These are the equivalent of the old Ohmite Z-50 RF chokes -- 7 uH (my memory fails me on the current, but it certainly wasn't much!). Inserting the chassis "hot" into the case caused many a choke to burn out. Carelessly inserting the chassis cracked many a feedthru cap (there are two of them on the back of that little line filter box). Dallas Rains suggested moving 'em from the back to the sides of the filter box to avoid cracking the caps.

Now, back to building a hollow grinding rig for the wife's kitchen knives, etc. Anybody got an old Frictionite razor hone?

73....Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA

-----

Date: 13 Jul 97 09:32:00 -0700  
From: BRICKEY\_PETER@tandem.com  
To: boatanchors@theporch.com  
Subject: ARC-5 later version??  
Message-ID: <199707140257.AA30521@POST.TANDEM.COM>

HI;

I picked up a military receiver (R-10A) at the Foothill swap yesterday and wanted to get some info on it. It looks identical to an

ARC-5 receiver with the exception that it has no dial (in its place is a jack) and instead of the plugin unit on the bottom of the front panel there are two additional jacks. The set is also painted a wrinkle grey.

Otherwise it looks the same as an ARC-5 receiver and has the same tube lineup. This particular receiver covers the broadcast band and I would like to get it operational -- can anybody give me some info on how to hook it up?

73's Peter

-----  
Date: Mon, 14 Jul 1997 06:33:56 -0500  
From: Ronnie Hull <w5sum@ms1.nwla.com>  
To: boatanchors@theporch.com  
Subject: baswaplist@foothill.net  
Message-ID: <1.5.4.16.19970714053041.09777378@ms1.nwla.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I did this a week or so ago, but darn if I can find where I put the answer to this question!!

I have the little heath hd20 crystal calibrator, and need the transistor that goes in it. I need to know the nomenclature on the transistor, and the substitute number (ECG, SK, GE ) so I can get one.

thanks in advance men..

Ronnie

=====  
W5SUM  
Ronnie Hull  
3131 Meadow Parkway dr.  
Shreveport, La 71108

10-10 # 2019

Forget the Johnson 500, I'm looking for a Johnson Thunderbolt Amp...

=====

-----



Date: Mon, 14 Jul 1997 09:33:47 -0400  
From: John Unger <junger@usgs.gov>  
To: boatanchors@theporch.com  
Subject: Sperti 2-meter HT  
Message-ID: <3.0.1.32.19970714093347.006adef0@130.11.54.5>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I'm trying to get some information on an old 2-meter HT for a friend. Yes, it for this news group, even though is probably only qualifies as a canoe anchor... The rig is a SPRETI (or maybe SPERTT) model No. XR-2BS made in Cincinatti in the pre-zip code days. It has two tubes, a 3A4 and a 958A (an acorn tube). It appears to cover 144-148 MHz and is probably an AM rig; that's all that I know, so any additional information on the history of the rig or the company would be welcomed.

tnx to all es 73 - John, W4AU

-----  
Date: Mon, 14 Jul 1997 06:33:06 -0700 (PDT)  
From: Ken Gordon <keng@uidaho.edu>  
To: boatanchors@sco.theporch.com  
Cc: glowbugs@www.atl.org  
Subject: 7117 kHz.  
Message-ID: <Pine.BSF.3.95.970714062638.8805C-100000@piobaire.mines.uidaho.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Are we all agreed to stop there for a while now ? I will order a rock from Phoenix as soon as we are sure.

Actually, after more thought, I agree that being in the Novice band is a good idea: more people can operate there and we may attract new list members. I am still somewhat concerned about SSB QRM though.

I hope I do not appear to be too picky about this frequency hopping business. Its just that I really do a) enjoy using the GRC-109, and b) talking with fellow BA-ites.

When I used to operate the FT-101 on the Novice frequencies I generally used 7105 or so to escape the SWBC QRM.

Ken W7EKB

-----  
Date: Mon, 14 Jul 1997 09:38:17 -0500  
From: TPHAAK@monsanto.com  
To: "boatanchors(a)sco.theporch.com" <boatanchors@sco.theporch.com>  
Subject: GRC-9 Hand Crank Generator  
Message-ID: <00304000045822430000002\*@MHS>

Gang,

I have a GRC-9 with the mobile supply that I recently picked up. The manual is still coming. I understand that it has a hand crank generator option. I suppose it was outfitted that way quite extensively. Is that the one you occasionally see in the movies that looks like it is on a stool with the pedals of a bicycle? Anyway I'd like to find one.

Question with regards to the GRC-109 conversations: The 109 has a crank generator. Can that one be used with the GRC-9?? If so I guess I could get one of the Fair units. Any ideas?

Tim WA0TSY  
tphaak@monsanto.com

-----  
Date: Mon, 14 Jul 1997 07:44:26 -0700  
From: "Ian Abbott" <ian@gene.COM>  
To: boatanchors@theporch.com  
Subject: Finally! ART-13 manual copies FS  
Message-ID: <9707140744.ZM25289@emerald.gene.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hello-

I'm \*finally\* organized enough to offer copies of the ART-13 manual for sale. I apologize to those of you who have been waiting a week for this information.

Here's what I have:

HANDBOOK OF MAINTENANCE INSTRUCTIONS  
FOR MODEL AN/ART-13 AIRCRAFT RADIO EQUIPMENT

Publication AN 08-30ART13-5

Approved 26 January 1945

The price delivered to you is \$29.56, which is my cost as follows:

308 pages of copying @ \$0.07 per page	= \$21.56
Oversize copies of schematic & wiring diagram @ \$2.50 each	
= \$ 5.00	
Priority mail for 1 lb 14 oz	= \$ 3.00
TOTAL	= \$29.56

\*\*\* Please note the following \*\*\*

1. I produced my double-sided "working master" as follows: First, I copied an \*original\* manual onto single-sided copies ("master copy") and then copied those to make a double-sided "working master." All of this was done using high-quality copy machines at the neighborhood Kinko's.

2. The manual is complete with the exception of four (4) pages:  
Section 1 (General Description) pages 3,4,5,6  
These were missing from the original manual I was able to copy.

If you'd like to order a copy, send \$29.56 (US) to:

Ian Abbott  
2113 Nobili Avenue  
Santa Clara, CA 95051

I'll wait two weeks from today before making copies in order to give anyone who's interested time to send their money. (I will send an email message without delay to confirm receiving checks or money orders.)

If you have any questions, please email me: [ian@gene.com](mailto:ian@gene.com)

Cheers!

IEA

--

"Are you boys the police?"

"No ma'am, we're musicians."

~~~~~%~~~~~

|                           |  |                                                              |           |
|---------------------------|--|--------------------------------------------------------------|-----------|
| Ian E. Abbott             |  | <a href="mailto:abbott.ian@gene.com">abbott.ian@gene.com</a> | %         |
| Genentech, Inc.           |  | Voice: 415.225.1793                                          | %         |
| Fermentation/Recovery     |  | Pager: 415.655.9160                                          | <"}}}}}>< |
| Information Systems Group |  | Fax: 415.225.3541                                            | _  _      |

-----  
Date: 14 Jul 97 11:00:59 EDT  
From: DDoonan@vines.etn.com  
To: boatanchors@sco.theporch.com  
Subject: PRC-10 battery question  
Message-ID: <0035vfjzrvxf.0035uogaiywo@vines.etn.com>

Hello Gang,

A fairly clean RT-176 (PRC-10) rig followed me home from the Oak Creek, WI hamfest last Saturday. Can anyone supply the pin-outs for the battery connector? I'm not sure I want to spend a lot of time on the rig and would like to wait to buy the manual and antenna.

For the record, it was a decent fest, as was reported. I saw an R-388A for \$800 (unsold at 9:30) and an R-388. A couple of low priced Q-5ers also came home with me.

73  
Dennis, KG9DO

-----  
Date: Mon, 14 Jul 1997 08:15:48 -0700 (PDT)  
From: Ken Gordon <keng@uidaho.edu>  
To: TPHAAK@monsanto.com  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: GRC-9 Hand Crank Generator  
Message-ID: <Pine.BSF.3.95.970714080929.9620A-100000@piobaire.mines.uidaho.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 14 Jul 1997 TPHAAK@monsanto.com wrote:

>  
>  
>  
>  
> Gang,

>  
> I have a GRC-9 with the mobile supply that I recently picked up. The  
> manual is still coming. I understand that it has a hand crank  
> generator option. I suppose it was outfitted that way quite  
> extensively. Is that the one you occasionally see in the movies that  
> looks like it is on a stool with the pedals of a bicycle?

No pedals. Hand cranks.

> Anyway I'd  
> like to find one.  
>  
> Question with regards to the GRC-109 conversations: The 109 has a  
> crank generator. Can that one be used with the GRC-9?? If so I guess  
> I could get one of the Fair units. Any ideas?

Actually, either the GN-43 (originally used with the GRC-9) or the GN-58 (specified for the GRC-109, but originally ordered for the GRC-9) will work just fine. I mentioned earlier on this list that apparently any power supply originally specified for the GRC-9 will work on the GRC-109. For instance, the DY-88 was originally part of the GRC-9 equipment. It also works for the GRC-109. The cable CN-690/GRC-109 which originally was designed to connect the GRC-109 to the GN-58 will also work to connect the GRC-109 to the DY-88 and possibly to the GN-43.

Fair has the GN-58s less cranks, but these are easily made by any decent machine shop from square shaft. Shouldn't cost more than about \$10.00 each.

There was also a little gas genny made originally for the GRC-9. I believe it was the PE-162. It will also work on the GRC-109.

Hope all this verbiage is useful to you.

Ken W7EKB

-----  
Date: Mon, 14 Jul 1997 11:41:16 -0400  
From: Robert Fowle <hammarlund@jacksonmi.com>  
To: boatanchors@theporch.com  
Cc: BOATANCHORS@LISTSERV.TEMPE.GOV  
Subject: BA Manuals FS  
Message-ID: <33CA489C.3FF4@jacksonmi.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I am selling off all non-Hammarlund related manuals i have.  
for a listing of these go to these 2 places:

<http://www.jacksonmi.com/hammarlund/manuals.html>  
serious offers on this page...

<http://www.jacksonmi.com/hammarlund/hallimanuals.html>  
\$800 for this page shipped

--

Best Regards  
Robert Fowle            KC8DBC

\*\*\*\* Visit my Web Page.....\*\*\*\*

my address is:  
1215 Winifred  
Jackson, Mich. 49202-1946  
Ph. 517-789-6721

E-mail: [hammarlund@jacksonmi.com](mailto:hammarlund@jacksonmi.com)  
My Web Page: <http://www.jacksonmi.com/hammarlund>

-----

Date: Mon, 14 Jul 1997 10:32:54 -0400  
From: Surplus Al <[surplsal@tl.infi.net](mailto:surplsal@tl.infi.net)>  
To: [boatanchors@theporch.com](mailto:boatanchors@theporch.com)  
Subject: Collins Museum  
Message-ID: <33CA3896.5399@tl.infi.net>  
MIME-Version: 1.0  
Content-Type: multipart/mixed; boundary="-----554D1C514726"

This is a multi-part message in MIME format.

-----554D1C514726  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I Found this very interesting and forwarding the URL to BA Members.  
Hope I am not out of line. Al W3UGD

-----554D1C514726  
Content-Type: message/rfc822  
Content-Transfer-Encoding: 7bit  
Content-Disposition: inline

Return-Path: <ndrech@fast.net>  
Received: from post1.fast.net (post1.fast.net [198.69.204.13])  
by fh101.infi.net (8.8.5/8.8.5) with ESMTP id LAA22884  
for <surplsal@tl.infi.net>; Mon, 14 Jul 1997 11:14:01 -0400 (EDT)  
From: ndrech@fast.net  
Received: from 204.120.81.198 (ndrech.fast.net [204.120.81.198])  
by post1.fast.net (8.8.5/8.8.5) with SMTP id LAA19640  
for <surplsal@tl.infi.net>; Mon, 14 Jul 1997 11:13:58 -0400 (EDT)  
Date: Mon, 14 Jul 1997 11:13:58 -0400 (EDT)  
Message-Id: <199707141513.LAA19640@post1.fast.net>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Subject: Re: Info wanted  
To: surplsal@tl.infi.net  
In-Reply-To: <33CA1FFE.4842@tl.infi.net>  
X-Mailer: SPRY Mail Version: 04.00.06.17

Hi, and thanks for the note.

The URL for the "Virtual Collins Radio Museum" is as follows:

<http://www.users.fast.net/~wa3key/collins.html>

73 de Norm - WA3KEY  
wa3key@fast.net

On Mon, 14 Jul 1997, Surplus Al <surplsal@tl.infi.net> wrote:  
>Brought up your Collins Radio info, very interesting. I tried to bring  
>it up so I could post it to the members of the Boatanchors Net but seems  
>I am haveing trouble, Can you send me the correct WEB page address if  
>its still available. Thank you Al W3UGD  
>[Http://www.tl.infi.net/~surplsal](http://www.tl.infi.net/~surplsal)  
>  
>  
>

-----554D1C514726--

-----  
Date: Mon, 14 Jul 1997 12:03:42 -0700  
From: jproc@bellglobal.com (Jerry Proc)  
To: "'boatanchors@theporch.com'" <boatanchors@theporch.com>  
Subject: Vacuum Tube Web Page

Message-ID: <01BC904E.008FBC80@jporc.bellglobal.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Dear BA'ers,

I accidentally ran across the following Web page and I thought it might be of interest to the group.

[www.ee.ualberta.ca/%7Eschmaus/vac.html#beam](http://www.ee.ualberta.ca/%7Eschmaus/vac.html#beam)

Regards,  
Jerry Proc  
jproc@bellglobal.com

-----  
Date: 14 Jul 97 12:11:53 EDT  
From: don merz <71333.144@CompuServe.COM>  
To: <boatanchors@theporch.com>  
Subject: Frequencies  
Message-ID: <970714161153\_71333.144\_DHB61-2@CompuServe.COM>

The offer from Phoenix crystals sounds great to me. But we should agree on a set of frequencies for CW and phone in each band. Can someone suggest a list of frequencies to start with and then we can work it into something we can all agree on.

One or two frequencies should be obvious, like 3885. What others should we put in the list?

73, Don

-----  
Date: Mon, 14 Jul 1997 09:28:20 -0700  
From: "Ian Abbott" <ian@gene.COM>  
To: boatanchors@theporch.com  
Cc: ian@gene.COM  
Subject: Finally! ART-13 manual copies FS  
Message-ID: <9707140928.ZM21579@emerald.gene.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hello-



I'm \*finally\* organized enough to offer copies of the ART-13 manual for sale. I apologize to those of you who have been waiting a week for this information.

Here's what I have:

HANDBOOK OF MAINTENANCE INSTRUCTIONS  
FOR MODEL AN/ART-13 AIRCRAFT RADIO EQUIPMENT

Publication AN 08-30ART13-5

Approved 26 January 1945

The price delivered to you is \$29.56, which is my cost as follows:

|                                                             |           |
|-------------------------------------------------------------|-----------|
| 308 pages of copying @ \$0.07 per page                      | = \$21.56 |
| Oversize copies of schematic & wiring diagram @ \$2.50 each |           |
| = \$ 5.00                                                   |           |
| Priority mail for 1 lb 14 oz                                | = \$ 3.00 |
| TOTAL                                                       | = \$29.56 |

\*\*\* Please note the following \*\*\*

1. I produced my double-sided "working master" as follows: First, I copied an \*original\* manual onto single-sided copies ("master copy") and then copied those to make a double-sided "working master." All of this was done using high-quality copy machines at the neighborhood Kinko's. Your copy will be made from the double-sided "working master."

2. The manual is complete with the exception of four (4) pages:  
Section 1 (General Description) pages 3,4,5,6  
These were missing from the original manual I was able to copy.

If you'd like to order a copy, send \$29.56 (US) to:

Ian Abbott  
2113 Nobili Avenue  
Santa Clara, CA 95051

I'll wait two weeks from today before making a batch of copies in order to give anyone who's interested time to send their money. (I will send an email message without delay to confirm receiving checks or money orders.)

If you have any questions, please email me: [ian@gene.com](mailto:ian@gene.com)

Cheers!

IEA

--

"Are you boys the police?"

"No ma'am, we're musicians."

~~~~~%~~~~~  
Ian E. Abbott | abbott.ian@gene.com %  
Genentech, Inc. | Voice: 415.225.1793 %  
Fermentation/Recovery | Pager: 415.655.9160 <"}}}}><  
Information Systems Group | Fax: 415.225.3541 \_| \_|

-----  
Date: Mon, 14 Jul 1997 09:41:16 -0700  
From: "Ian Abbott" <ian@gene.COM>  
To: boatanchors@theporch.com  
Subject: Need documentation for ARN-6  
Message-ID: <9707140941.ZM25465@emerald.gene.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hi-

Does anyone have a wiring diagram showing how to connect the components of the AN/ARN-6 radio compass system? I could use a schematic, maintenance manual, etc. since I have \*no\* documentation for the ARN-6.

I have the R-101 reciever, the rack for it with connection terminals, and the loop antenna (AS-313 or something like that). I know I need the control/tuning box, but I know where I might be able to get one of those. Make me an offer if you've got one for sale, though.

Thanks in advance for your help!

IEA

--

"Are you boys the police?"

"No ma'am, we're musicians."

~~~~~%~~~~~  
Ian E. Abbott | abbott.ian@gene.com %  
Genentech, Inc. | Voice: 415.225.1793 %

Fermentation/Recovery | Pager: 415.655.9160 <"{}{}{}{}"><  
Information Systems Group | Fax: 415.225.3541 \_| \_|

-----  
Date: Mon, 14 Jul 1997 09:55:49 -0700 (PDT)  
From: Ken Gordon <keng@uidaho.edu>  
To: don merz <71333.144@CompuServe.COM>  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Frequencies  
Message-ID: <Pine.BSF.3.95.970714095441.10583A-100000@piobaire.mines.uidaho.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On 14 Jul 1997, don merz wrote:

> The offer from Phoenix crystals sounds great to me. But we should agree on  
> a set of frequencies for CW and phone in each band. Can someone suggest  
> a list of frequencies to start with and then we can work it into something  
> we can all agree on.  
>  
> One or two frequencies should be obvious, like 3885. What others should we  
> put in the list?

CW: 3510

Phone: 3910

Ken W7EKB

-----  
Date: Mon, 14 Jul 97 13:54:03 EDT  
From: rsolomon@tsd.textron.com  
To: boatanchors@theporch.com  
Subject: WTB: H-P Manuals (5245L, 5253B)  
Message-ID: <9706148689.AA868914042@cctds.tsd.textron.com>

I have a late model 5245L counter with a 5253B 500 MHz Plug-in.  
Anyone have manuals for these they will part with or know a  
source ??

Tnx, Dick, W1KSZ

-----  
Date: Mon, 14 Jul 1997 13:12:41 -0500  
From: Ronnie Hull <w5sum@ms1.nwla.com>  
To: boatanchors@theporch.com  
Cc: baswaplist@foothill.net  
Subject: BC348 Plug  
Message-ID: <1.5.4.16.19970714131144.1e8f2d62@ms1.nwla.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

fella's, I spoke with Fair today and they told me they have has none of the PL-P103 power plugs for the BC348's in a few years. They may or may not have had any. A few list members have told me they have bought them from fair in the last year.

but, anyway, I can' seem to fine one. Does anyone have a spare? I have a nice shock mount, but desperatley need the power plug.

Ronnie

-----  
|  
| Ronnie Hull - W5SUM    X - WB5AIA  
| 3131 Meadow Parkway dr.  
| Shreveport, La 71108  
| 318-688-1389    318-687-3135 Fax  
|  
| Looking for a Johnson 500 ( go ahead and laugh!!)  
|  
-----

-----  
Date: Mon, 14 Jul 1997 14:23:02 -0400 (EDT)  
From: MODSTEPH@ACS.EKU.EDU  
To: boatanchors@theporch.com  
Subject: Re: Frequencies  
Message-ID: <01IL8AELT51I002H15@ACS.EKU.EDU>  
MIME-version: 1.0  
Content-type: TEXT/PLAIN; CHARSET=US-ASCII

...Don wrote:>>>

One or two frequencies should be obvious, like 3885. What others should we

put in the list?

<<<

I suggest the usual "CX" frequencies of 3560 and 7060. The latter also multiplies nicely to the "CX" gequencies of 14.120, 21.180 and 28.240...

73, A1 N5AIT  
modsteph@acs.eku.edu

-----  
Date: Mon, 14 Jul 1997 11:46:08 -0700 (PDT)  
From: Ken Gordon <keng@uidaho.edu>  
To: MODSTEPH@ACS.EKU.EDU  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Frequencies  
Message-ID: <Pine.BSF.3.95.970714114343.11736A-100000@piobaire.mines.uidaho.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 14 Jul 1997 MODSTEPH@ACS.EKU.EDU wrote:

> ...Don wrote:>>>  
> One or two frequencies should be obvious, like 3885. What others should  
> we  
> put in the list?  
> <<<  
>  
> I suggest the usual "CX" frequencies of 3560 and 7060. The latter  
> also multiplies nicely to the "CX" gequencies of 14.120, 21.180 and  
> 28.240...

I WOULD NOT recommend 3560!!!!!! That is, and has been for at least 25 years, the RN7 NTS main frequency. They operate there twice an evening, usually at 8:30 and 10:30 PM Mountain Time. They are usually there for at least 1/2 hour, but sometimes longer.

Ken W7EKB

-----  
Date: Mon, 14 Jul 1997 12:48:24 -0600  
From: "Herbert M. Rosenthal" <herbrose@lobo.net>  
To: BoatAnchors <boatanchors@theporch.com>  
Subject: Non-polarized caps, again..

Message-ID: <33CA7476.2FC8@lobo.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

Non Polarized caps, another approach..

There is a worthwhile fix to replacing the non-polarized motor capacitor in a CDR (or other) antenna rotator, when an original cannot be found. The original cap, for example, in my Ham M rotor control was 130 mf @ 50vAC non-polarized. I replaced it about six years ago with two 150 mf@150vdc polarized electrolytics and two 1N4004 diodes, as follows (it still works fine):

1. The two polarized caps are connected minus-to-minus.
2. The two diodes are connected anode to anode; this junction connects to the above in-between capacitor connection.
3. Finally, the two cathode ends of the diodes are connected to the plus ends of the electrolytics, and these two ends now replace the original non-polarized cap.

Draw this out and you will see that the diodes serve to bypass the reverse-biased capacitor; this is according to whether the half-cycle of the applied ac is positive or negative. And you have the full capacitance of one capacitor or the other in the circuit for each half-cycle. Sort of diode 'commutation', if you like fancy words.

I don't believe electrolytics are designed to withstand full reverse polarity; certainly not to carry much current, as in ac motor capacitors. Simply connecting two electrolytics back-to-back does not a non-polarized capacitor make...at least not a proper one.

But I must admit: I've used electrolytics back-to-back in audio filter circuits, and they seem to work forever.

Comments cheerfully accepted.  
Herb Rosenthal W5AN  
herbrose@lobo.net

-----  
Date: Mon, 14 Jul 1997 14:59:08 -0400 (EDT)  
From: JONWEINER@aol.com  
To: boatanchors@theporch.com  
Subject: re: Hallicrafters HT-32 - parting out  
Message-ID: <970714145907\_192808653@emout06.mail.aol.com>

I have a Hallicrafters HT-32 which I am parting out. It is complete, except for the SSB sub assembly. Jon, K1VVC

-----  
Date: 14 Jul 97 15:02:07 EDT  
From: don merz <71333.144@CompuServe.COM>  
To: <boatanchors@theporch.com>  
Subject: Misc & Mags FS  
Message-ID: <970714190207\_71333.144\_DHB63-6@CompuServe.COM>

#### Boatanchors & Literature FS

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.  
412-234-8819 (weekdays, EST or leave a message anytime).  
71333.144@compuserve.com

AN/SRR-13A parts radio. One knob missing. Case dented badly. Rear section of case with connectors etc. is missing. Most modules are there and look okay. One or two internal covers are missing. The tag is there. \$15 as-is. Heathkit AA-151 integrated audio amplifier using 4 EL84's (6BQ5's). Bronze leatherette styling in an art-deco wanna-be design. Dirty and untested. But complete and all original. I expect this to clean up to excellent looking and working condition. \$35

Military TM 11-487D "Directory of U.S. Army Signal Equipments--Radio Direction Finding Equipment" dated 3/58. 125 pages of gear I've never heard of with photos and complete specs. Includes portable sets like AN/PRD-1 and huge stations like AN/TRD-4 that uses 2 R-390/URR receivers. Super reference in near-mint condition. \$47

The Shortwave Magazine (UK), July, 1974. Nice. \$2

The Shortwave Magazine (UK), August, 1972. Good. \$2

Radio Communication, February, 1972. The Journal of the Radio Society of Great Britain. Good. \$2

Popular Electronics Communications Handbook, 1973. Good. \$2

FM Magazine, Volume 3, Numbers 4, 5 and 6. 1969. Exc. \$6/all 3

New Jersey Bell Telephone Company internal magazines. These have lots of good articles and photos and average 35 pages long. Covers are just fair condition and some are loose. All are \$3 each: February, 1930, May, 1930 (article on "2-way Television"), August, 1930 (photo-essay "A Day With The Supply Forces"), September, 1930, October, 1930 (Teletype Police Alarm System).

Radio News Magazine: \$2 each

Key: G = Good, some wear, covers attached

11/45: G

7/46: G

2/47: G: \$2

5/47: G: \$2

8/47: G: \$2

1948: 8,10,11: G: \$2 each  
1951: 4: G: \$2

Radio Craft. These are in excellent condition. \$3.50 each.

1933: 6

1934: 1,4,8,9

More Radio Craft Magazine. All with covers unless noted. Some need covers wiped off to look nice. \$2 each unless noted.

1942: September: Famous WWII cover shows Winston Churchill talking on a BC-611 handie talkie. \$5

1942: Cover shows doughboy with BC-611. \$3.50

1943: 1,2,3,4,11,12

1946: 7,8,10,11: \$2 each

1946: 2 (dupe)

1947: 2,4,5: \$2 each

1947: 40 Years of The Vacuum Tube special issue with famous photo of Lee himself gazing into spherical audion on cover. Cover loose and binding rough. Still nice. \$5

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.  
412-234-8819 (weekdays, EST or leave a message anytime).

-----  
Date: 14 Jul 97 10:06:00 -0700  
From: BRICKEY\_PETER@tandem.com  
To: boatanchors@theporch.com  
Subject: Some stuff for sale  
Message-ID: <199707141210.AA9017@POST.TANDEM.COM>

Hi;

I have the following excess stuff that I would like to sell. All is FOB Los Gatos Ca. so please include your ZIP code so that I can reply to you with the shipping cost.

- 1) Heathkit SB-614 monitor scope: Very nice condition, no scratches or scuff marks. Unit is working \$85.00
- 2) Telegraph Apparatus Co. Chrome plated bug. Chrome is fair - no obvious pits. Unit is missing the paddle and knob. \$60.00
- 3) Brown Bros. Iambic key. could use a repaint, otherwise very nice, label is excellent as is the plating. \$45.00



4) Manual BC-779 (Hammarlund SP-210 Super Pro), nice condition,  
includes postage \$ 6.00

5) Gonset G-77 transmitter and corresponding modulator/PS.

G-77's front panel is very good, however the VFO  
planetary drive is stiff and needs to be cleaned as it  
does not move the dial pointer - this is a easy job.

Modulator/PS is unmodified, but missing the bottom plate  
and has 2 1/4" holes in the top cover where someone  
installed a handle (since removed). \$100.00

6) Command sets:

BC-455B 6 to 9.1Mc made by Western Electric, cabinet is nice,  
front drawer has modification of vol, BFO switch & phone jack.  
Dynamotor pins have had wires soldered on to them.

BC-454B 3 to 6.0Mc made by Western Electric in same condition  
as the above BC-455B.

FT-277 2 receiver rack, in new condition.

All of the above \$100.00/BO

73's Peter

-----  
Date: Mon, 14 Jul 1997 20:58:54 +0000  
From: Sandy W5TVW <ebjr@worldnet.att.net>  
To: MODSTEPH@ACS.EKU.EDU, boatanchors@theporch.com  
Subject: Re: Frequencies  
Message-ID: <19970714205851.AAA5432@LOCALNAME>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 06:23 PM 7/14/97 +0000, you wrote:

>...Don wrote:>>>

>One or two frequencies should be obvious, like 3885. What others should  
>we

>put in the list?

><<<

>

> I suggest the usual "CX" frequencies of 3560 and 7060. The latter  
>also multiplies nicely to the "CX" frequencies of 14.120, 21.180 and  
>28.240...

>  
> 73, A1 N5AIT  
> modsteph@acs.eku.edu  
>  
>

Some of the commonest "AM 'phone" frequencies are:  
3880, 3885, 7290, 7295, 14286 and 29.0 mhz.

I have seen 1885, 1985 active on AM 'phone on 160 meters.

73,  
E. V. Sandy Blaize, W5TVW  
"Boat Anchors collected, restored, repaired, traded and used!"  
417 Ridgewood Drive,  
Metairie, LA., 70001  
ebjr@worldnet.att.net  
\*\*Looking for: 860 tubes, WL-460 tubes\*\*  
\*\*RK-34(VT-224) tubes, Butternut HF2V antenna\*\*

-----  
Date: Mon, 14 Jul 97 16:02:46 CDT  
From: sinned@VNET.IBM.COM  
To: boatanchors@sco.theporch.com  
Subject: BA/BG net / thanks  
Message-ID: <199707142133.VAA13588@sco.theporch.com>

In addition to those listed by Sandy - W5TVW, also participating in the test later that evening were; N4NWT - Jack,FLA / N0GII - John,CO / AA5XE - Dale, El Paso / N7IU - Jimmy, CA. It looks like the 7117 QRG worked OK, and my thanks to all who fired-up the bottles for a good coast-to-coast BA/GB Net test.

FWIW: I think rather than trying to find one QRG for everyone, we should have at least two QRG's that we can "hang around". If just a few keep a fairly regular schedule, those less active(regular) will have a better chance of finding other BA folks. Different geographies will end up on the best QRG for them. Here in the south/southwest, 7050/60 is QRM'd beyond useability, but 7117 isn't, so I'll probably start monitoring 7117 mostly. I would invest in a good VFO, and buy a few rocks for checking the VFO, if I didn't already have a VFO.. There's just too much competition for the available bandwidth to assume we could have any reliable QRG's for very long. For example, last winter, 3579 was fine until a bunch of RTTY/digital folks moved in and made CW impossible.( Maybe it only clobbered me, I'm not sure) Anyhow, things like that will continue to happen. As long as we advertise our QRG's via this reflector, we'll have more fun/BA QSO's any maybe a bit less frustration.....

73's  
Dennis W5FRS

-----  
End of BOATANCHORS Digest 1561

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